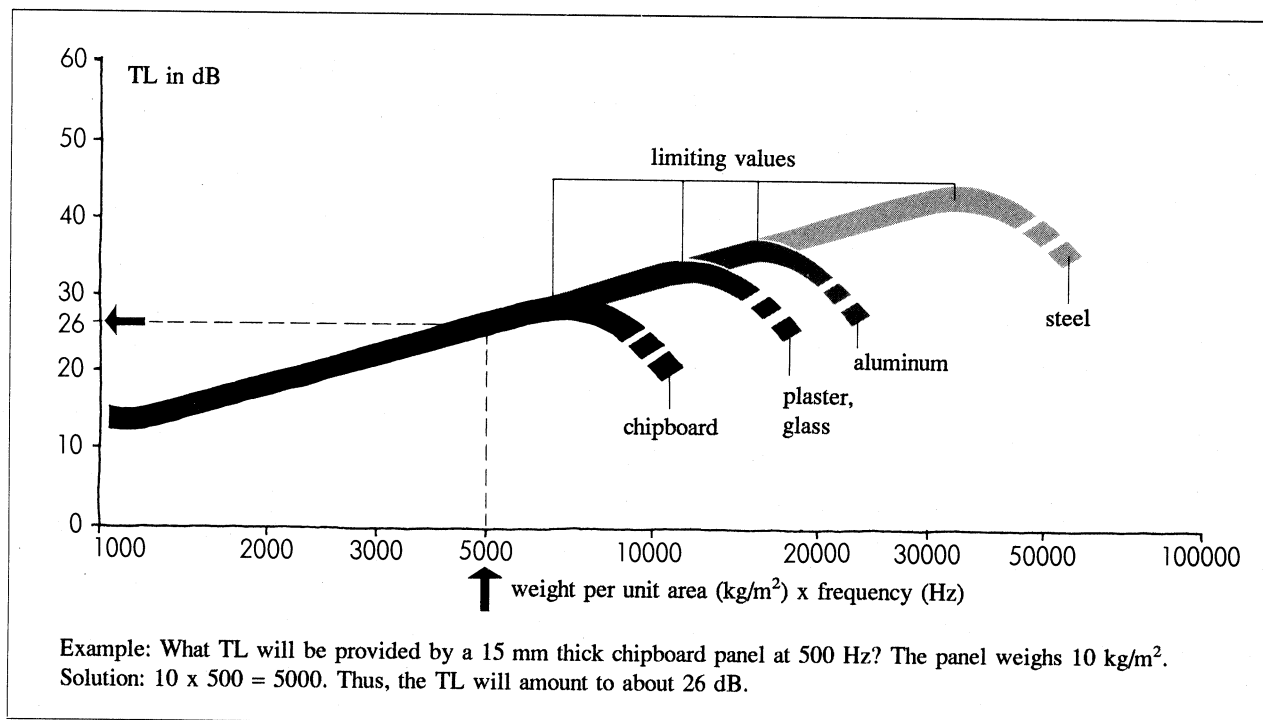


# THE TL OF A SINGLE WALL IS ESTIMATED FROM ITS SURFACE WEIGHT

*Transmission loss (TL)* is a measure of a wall's ability to reduce a sound level. At low frequencies and small wall thicknesses, the surface weight in  $\text{kg/m}^2$  determines the difference in level between incident and transmitted sound. If the thickness or the frequency are increased, a limit will be reached which depends on the wall material.

## Principle



## Application with a thin screen.

### Example

A sand blast operation creates excessive noise.

### Control Measure

A separate room is constructed for the ventilation fan and other auxiliary equipment. The blasting equipment is separated from other work areas with a drapery of lead-rubber fabric, which is heavy but flexible.

